

Recombinant Mouse APRIL/TNFSF13 Protein (Fc Tag)

Catalog No. PKSM041367

Note: Centrifuge before opening to ensure complete recovery of vial contents.

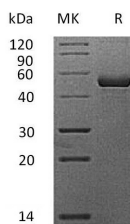
Description

Synonyms	A proliferation-inducing ligand;TNFSF13;TALL-2;TRDL-1;CD256
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Ala96-Leu240
Accession	AAG22534.1
Calculated Molecular Weight	42.7 kDa
Observed molecular weight	50-60 kDa
Tag	N-Fc
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 8% Sucrose, 0.05% Tween 80, pH 6.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Tumor necrosis factor ligand superfamily member 13 belongs to the tumor necrosis factor family. It is also known as

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APRIL, TALL2, TRDL1, and CD256. It is synthesized as a 32 kDa proprotein which is cleaved by furin in the Golgi to release the active 17 kDa soluble molecule. TNFSF13 is a Cytokine that binds to TNFRSF13B/TACI and to TNFRSF17/BCMA and plays a role in the regulation of tumor cell growth. It expressed at high levels in transformed cell lines, cancers of colon, thyroid, lymphoid tissues and specifically expressed in monocytes and macrophages. Its expression by CD4+ T cells inhibits the production of Th2 cytokines and allergic inflammation.